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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/663,025	09/15/2003	Jia-Fam Wong	B-4212DIV 621223-1	2539
7590	06/14/2006			EXAMINER GEBREMARIAM, SAMUEL A
Richard P. Berg c/o LADAS & PARRY Suite 2100 5670 Wilshire Boulevard Los Angeles, CA 90036-5679			ART UNIT 2811	PAPER NUMBER
DATE MAILED: 06/14/2006				

Please find below and/or attached an Office communication concerning this application or proceeding.

H:A

Office Action Summary	Application No.	Applicant(s)
	10/663,025	WONG, JIA-FAM
	Examiner Samuel A. Gebremariam	Art Unit 2811

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 02 May 2006.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 18-20 and 26-38 is/are pending in the application.
- 4a) Of the above claim(s) 18-20, 26-28, 30, 34, 37 and 38 is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 29, 31-33, 35 and 36 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

Request for Continued Examination

1. A request for continued examination (RCE) under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 5/02/2006 has been entered. An action on the RCE follows.

- a. The amendment filed on 5/02/2006 has been entered.

Restriction

2. Newly submitted claims 37, 38, 30 and 34 are directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: The newly added/amended claims 37, 38, 30 and 34 are similar in scope to that of the non-elected method claims that were withdrawn from consideration. Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 37-38 and 30 and 34 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

4. Claims 29, 31 and 32 are rejected under 35 U.S.C. 102(e) as being anticipated by Kaneko et al., US patent No. 6,433,842.

Regarding claims 29, Kaneko teaches (fig. 1) a thin film transistor (TFT), comprising: a gate electrode (2,3) with an island shape formed on a substrate (1); an insulating layer (4) covering the gate electrode; a semiconductor layer (5) with an island shape formed on the insulating layer (4), and positioned directly above the gate electrode (fig. 1); a source doped silicon layer (6) and a drain doped silicon layer (6) formed on the semiconductor layer (5), a channel being defined between the source doped silicon layer and the drain doped silicon layer (region between the source and drain regions) to expose the semiconductor layer therein (refer to fig. 1); first and second sacrifice layers (8) with island shapes respectively formed on the source doped silicon layer (6) and drain doped silicon layer (6, refer to fig. 1), the first and the second sacrifice layers being spaced apart by the channel and further separated from the insulating layer (4) in their entirety; a source electrode (9) formed above the first sacrifice layer (8), and the source dope silicon layer (5); and a drain electrode (9) formed above the second sacrifice layer (8) and the drain doped silicon layer (6).

Regarding claim 31, Kaneko teaches the entire claimed structure of claim 29 above including a passivation layer (10) covering the source electrode (9), the drain

electrode (9), and the channel, and the TFT is used in an in-plane-switch (IPS) type LCD (col. 13, lines 57-61).

Regarding claim 32, Kaneko teaches the entire claimed structure of claim 29 above including a passivation layer (10) covering the TFT on the substrate (40), and having a hole (fig. 1) above the drain electrode (region where drain line 19 is formed); and a transparent conductive layer (11) formed above the drain electrode (9) and electrically connected to the drain electrode via the hole (refer to fig. 1, col. 9, lines 20-30).

5. Claims 33 and 35-36 are rejected under 35 U.S.C. 102(e) as being anticipated by Park et al., US patent No. 6,107,640.

Regarding claim 33, Park teaches (figs. 2A-2D) a thin film transistor (TFT), comprising: a gate electrode (33) with an island shape (refer to fig. 2A) formed on a substrate (31); an insulating layer (35) covering the gate electrode (33); a semiconductor layer (37) with an island shape formed on the insulating layer (35), and positioned above the gate electrode (33); first and second sacrifice layers (39 on both side of the structure in fig. 2C) with island shapes formed over and in direct contact with the semiconductor layer (37), and a channel being defined between the first and second sacrifice layers (region between layer 39) so as to expose the semiconductor layer (37); a source doped silicon layer (41 on either side of fig. 2C) and a drain doped silicon layer (41) formed above the first sacrifice layer (39), second sacrifice layer (39), and the semiconductor layer (37), the source doped silicon layer (41) and the drain doped

silicon layer (41) being spaced apart by the channel (channel is formed between source/drain region); and a source electrode (43) and a drain electrode (45) respectively formed on the source doped silicon layer (41 on the left) and the drain doped silicon layer (41 on the right).

Regarding claim 35, Park teaches the entire claimed structure of claim 33 above including a passivation layer (47) covering the source electrode (43), the drain electrode (45), and the channel (region between source/drain).

The limitation of “the TFT is used in an in-plane-switch (IPS) type LCD” is not given patentable weight because a recitation of the intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim. In a claim drawn to a process of making, the intended use must result in a manipulative difference as compared to the prior art. See *In re Casey*, 370 F.2d 576, 152 USPQ 235 (CCPA 1967) and *In re Otto*, 312 F.2d 937, 939, 136 USPQ 458, 459 (CCPA 1963). Furthermore the structure of Park can be used as in an in-plane-switch (IPS) type LCD.

Regarding claim 36, Park teaches the entire claimed structure of claim 33 above including a passivation layer (47) covering the TFT on the substrate (31), and having a hole (49) above the drain electrode (45); and a transparent conductive layer (51) formed above the drain electrode (45) and electrically connected to the drain electrode (45) via the hole (refer to fig. 2D).

Response to Arguments

6. Applicant's arguments with respect to claims 29, 31-33, 35 and 36 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Samuel A. Gebremariam whose telephone number is (571)-272-1653. The examiner can normally be reached on 8:00am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SAG
June 8, 2006



DOUGLAS W. OWENS
PRIMARY EXAMINER